

## Results of lab analyses run on samples....2-18- 60

Yerushalayim

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February 18, 1960

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The following are the results of lab analyses run on samples taken from the Sanitary Landfill Test Wells on 2/29/60:

Well No.	pH	Chlorides (ppm)	Sulfates (ppm)	Dissolved Iron (ppm)	Extractable Organics (ppm)	Phenol (ppm)	C:O:D:
1	8.8	5.4	11.4	3	27.	37.	24.
2	15.7	15.6	14.9	4	27.0	1.3	2.2
3	60.0	110.0	162.0	0.03	442.0	150.0	102.
4	0.20	0.13	0.03	0.08	0.03	0.03	0.03
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Companion samples were sent to Hall Laboratories for comparison. No results have been received as yet from Hall.

Chuck Dauenhauer

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MAY 25, 1927 CROWN CITY, KANSAS  
TREAT AS PRELIMINARY  
PROVISIONAL AND SUBJECT TO AGENT

THEATRE

**DEPOSITION**  
**EXHIBIT**

Sprawled 10  
Spotted 804

CONFIDENTIAL

February 29, 1960

L. W. Sprandel - vox  
C. H. Sontz - JTG

Ms. A. J. Octavo

The following are water level elevations taken in the vicinity of the Sanitary Landfill. Soundings taken 2/26/60. River elevation at St. Louis Gage - 385.2.

Well #1	371.6	(Taken 1/26/60)
Well #2	372.2	
Well #3	376.6	
Well #4	382.2	
Well #5	365.6	
Well #6	361.1	
Well #7	347.4	
Well #8	347.3	
Well #9	353.5	
Well #10	357.5	
River Recovery		
Well #1-2		
Well 25-1		
Well 221		
Well 21		

K&E '04

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C. H. Deacon /

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MAY 25, 1945  
CHICAGO  
TREAT AND REHABILITATE  
PROBLEMS AND PROBLEMS

# CONFIDENTIAL

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**DEPOSITION  
EXHIBIT**

Sprawled 11  
4-6-93 C&K

Monsanto, Illinois  
March 8, 1960

L. V. Spraddel - WAK  
C. N. Stutz - J7Q

Mr. G. J. Geers

The following are the results of lab analyses of samples taken from the Sanitary Landfill Test Wells on 2/26/60:

Well No.	pH	Chlorides (ppm)	Sulfates (ppm)	Dissolved Iron (ppm)	Extractable Organics (ppm)	Phenol (ppm)	CO <sub>2</sub> (ppm)
1	9.4	9.4	11.5	4	5		
	0.4	0.7	0.7	1.4	8.0		
55	105	159	418	70.5			
	0.05	0.05	0.05	0.05	0.05	0.05	0.05
51.5	44.5	52	21	31			
1.5	1.0	0.5	0.8	1.5			
68.	56.	90.	274.	324.			

C. N. Dewner

/rs

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INSURANCE COMPANY - 1960

MONSENTON INSURANCE COMPANY - 1960  
MAY 26, 1960 - THIS REPORT IS PROTECTED MATERIAL.  
TREAT AS TRADE SECRET. UNAUTHORIZED DISCLOSURE  
PROVIDED FOR BY LAW.

K&E 0009171

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DEPOSITION  
EXHIBIT

Spredel 12  
4-6-93 P&K

WGX Plant - Monsanto, Illinois  
April 6, 1960

L. W. Sprandzel - WAK  
C. H. Stutz - JFQ

Mr. G. J. Geers

K&E '04

The following are water level elevations taken in the vicinity of the Sanitary Landfill. Some lines taken 3/31/60. River elevation at St. Louis Gage - 407.5.

Well #1	370.7
Well #2	371.8
Well #3	373.7
Well #4	380.8
Well #5	367.7
River Ramsey	347.2
Well W-2	348.1
Well XS-1	352.9
Well 21	347.8

C. H. Daubenspeck  
204750 EXCISE MATERIAL: MONSANTO  
ISSUED CONDENSED EDITION  
MAYES, 1960 CROPS PROTECTED MATERIAL  
THEAT AS PERTAINING TO CROPS AT JUNE 1960  
PRINCIPAL AND VARIOUS RECENT DOCUMENTS.

/rs

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K&E 0000150

DEPOSITION  
EXHIBIT

Sprandzel /B  
4-6-93 CGK

WCA Plant - Monsanto, Illinois  
Apr-11 14, 1960

L. W. Sprandzel-WOK  
C. N. Stutz-JPQ

Mr. G. J. Geers

The following are the results of lab analyses of samples taken from the Sanitary Landfill Test Wells on 3/31/60.

Well No.	1	2	3	4	5
pH	9.3	9.2	11.4	9.5	7.8
Chlorides (ppm)	8.5	17.7	14.2	10.6	14.2
Sulfates (ppm)	72.0	106.0	160.0	424.0	50.0
Dissolved Iron (ppm)	12.5	22.4	0.6	2.4	4.5
Extractable Organics (ppm)	27.0	46.0	96.0	0.0	5.0
Phenol (ppm)	0.2	0.2	0.2	0.0	0.2
COD (ppm)	45.0	54.0	67.0	45.0	230.0

C. N. Deubner

/rgs

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PROTECTIVE ORDER: NON-SUIT  
TELEPHONE CONVERSATION  
MONSANTO COMPANY  
MAY 25, 1960. COMMENCEMENT OF THIS DOCUMENT  
TREAT AS FORTIFIED TRADE SECRET. DO NOT  
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DEPOSITION  
EXHIBIT  
Sprandzel 14  
4-6-63 C.R.K  
CONFIDENTIAL

THIS NOTICE, IT IS DUE TO THE QUALITY  
OF THE ORIGINAL DOCUMENT.

Mr. G. Krumrich  
May 2, 1960

Mr. G. J. Geese

L. V. Sprandel - W.R.  
C. N. Stutz - JPQ

The following are water level elevations taken in the vicinity of the Sanitary Landfill. Soundings taken 4/29/60. River elevation at St. Louis Cage - 401.9, down 5.6 feet from last month.

WELL NO.	ELEV.	CHANGE FROM LAST NO.
1	381.5	UP 10.6
2	381.7	UP 9.9
3	385.4	UP 9.7
4	390.6	UP 9.8
5	378.3	UP 10.6
River: Ranner:	356.6	UP 9.4
N-2	362.9	UP 14.8
XS-1	363.5	UP 10.4
21	356.0	UP 8.2

K&E '04

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C. N. Dubner /

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K&E 0009149

DEPOSITION  
EXHIBIT

Sprandel 15  
4-6-13 P.R.K.

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W.E. O. Krumrich Plant  
May 11, 1960

L. W. Sprandell - W.G.K.  
C. M. Stutz - J.P.Q.

Mr. G. J. Geers

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OF THE ORIGINAL DOCUMENT.

K&E 04

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The following are the results of lab analyses of samples taken from the Sanitary Landfill Test Wells on 4/25/60:

Well No.	1	2	3	4	5
P:	9.5	8.7	12.3	9.9	8.7
Chlorides (PPM)	14.2	18.8	16.0	17.0	14.9
Sulfates (PPM)	1.4.	72.	128.	296.	116.
Dissolved Iron (PPM)	0.1	0.1	0.1	0.1	0.1
Extractable Organics	25.	11.	25.	22.	18.
Phenols (PPM)	0.9	1.3	1.1	1.3	1.9
CC (PPM)	70.	124.	101.	93.	

C. M. Deubner -

/rs

PROTECTED MATERIAL: MONSANTO  
TESTIMONY COVERAGE LICENSING

MONSANTO PROTECTION OF CONFIDENTIALITY  
MAY 25, 1960 ORDER PROTECTED MATERIAL  
TREAT AS PROTECTED UNDER ATTACHED  
ATTORNEY-CLIENT PRIVILEGE AND WORK PRODUCT COVERAGE

K&E 0009169

DEPOSITION  
EXHIBIT

Scanned 16  
1-6-73 C.R.K.

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W. O. Krumrich Plant  
May 26, 1960

L. W. Sprandzel - WOK  
C. N. Stutz - JPO

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Mr. O. J. Geers:

The following are water level elevations taken in the vicinity of the Sanitary Landfill. Soundings were taken on May 25, 1960. River elevation at the St. Louis Sage - 404.7, up 2.8 feet from last month.

Well No.	Elevation	Change from last month
1	380.8	Down .5
2	362.5	Up .8
3	366.3	Up 1.1
4	351.0	Up .4
5	375.1	Down 3.2
River Ranney	341.6	Down 15.0
b-2	345.2	Down 12.7
XG-1	352.2	Down 11.7
21	360.3	Up 8.3

R. W. Kraft

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PROTECTED MATERIAL: PROPERTY  
INSURANCE CONTRACT LITIGATION

NON-ADMITTED INSURANCE COMPANY LITIGATION  
MAY 25, 1960 ORDER FOR PROTECTED MATERIAL  
TREAT AS PROTECTED UNDER ATTACHED  
PRIVILEGE AND WORK PRODUCT DOCTRINE

K&E 0009148

DEPOSITION  
EXHIBIT

Sprandzel '17  
4-6-73 CRK

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THIS NOTICE IS LESS CLEAR THAN  
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W. G. Kruenrich Plant  
July 11, 1960

J. W. Sprandel - WCK  
C. N. Stutz - JPQ

Mr. G. J. Geers

The following are the results of lab analyses of samples taken from the Sanitary Landfill Test Wells on May 25, 1960:

Well No.	1	2	3	4	5
Phenol (ppm)	2.2	0.1	2.2	0.6	0.3
Sulfates (ppm)	66.	86.	154.	34.	42.
PK (ppm)	8.1	5.8	21.2	9.8	8.3
Dissolved Iron (ppm)	0.05	0.05	0.05	0.05	0.05
Chlorides (ppm)	15.6	15.6	19.1	14.2	14.2
Extractable Organics	35.	25.	30.	23.	29.

K&E 04

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Ronald W. Kraft

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INSURANCE COVERAGE LITIGATION

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MAY NOT BE USED IN LITIGATION  
TREATS AS PROTECTED INFORMATION  
PRIVILEGE AND WORK PRODUCT DO NOT EXIST

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DEPOSITION  
EXHIBIT 18  
Sprandel C.R.K.  
5/16/63

CONFIDENTIAL

WGX  
C. H. Stutz - J.P.Q.  
August 3, 1960

Mr. G. J. Geers

The following are water level elevations taken in the vicinity of the Sanitary Landfill. Soundings were taken on July 26, 1960. River elevation at the St. Louis Gage - 386.2 ft. A drop of 18.5 feet from May 25, 1960 the last time the test wells were sounded.

Well No.	Elevation	Change from May 25, 1960
1	377.0	Down 3.8
2	Well couldn't be located	
3	385.0	Down 1.5
4	389.9	Down 1.1
5	369.0	Down 6.1
River Runney	325.1	Down 9.5
Y-2	345.8	Down 3.4
X-1	358.7	Down 13.5
21	No reading taken	

K&E 04

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Ronald V. Krause

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PROTECTED MATERIAL: MONSANTO  
TESTIMONY CONCERNING INVESTIGATION

MONSANTO COMPANY  
MAY 25, 1960 RECORDS SUBJECT TO ATTORNEY-CLIENT  
PRIVILEGE AND WORK PRODUCT PROTECTION

K&E 0009147

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DEPOSITION  
EXHIBIT  
Spiegel '9  
4-693

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W. G. Krummrich Plant  
August 11, 1980

Mr. G. J. Goetz

L. W. Sprandel - WCR  
C. N. Stutz - JPC

The following are results of lab analyses of samples taken from the Sanitary Landfill Test Wells on July 21, 1980. For comparison, a sample of water was taken from a well used for drinking water in the Village of Monsanto.

Test well #2 was not sampled this month. I was unable to locate this well because of high vegetation.

Well No.	Drinking Water		
	1	2	5
COD (ppm)	80.	100.	22.
Sulfates (ppm)	62.	1(2.	354.
pH (ppm)	8.6	10.	9.5
Dissolved Iron (ppm)	0.1	0.06	0.02
Extractable Organics (ppm)	1.0	25.	26.
Chlorides (ppm)	1(6	15.	18.
Phenol (ppm)	1(.6	3.3	2.2
			2.5

Ronald W. Kraft

/s

PROTECTED MATERIAL: MONSANTO  
INSURANCE COVERAGE Litigation

MONSANTO INSURANCE COVERAGE Litigation  
MAY 25 1982 CREDITORS' ATTORNEY  
TREAT AS TRADE SECRET  
PRIVILEGE AND ATTORNEY-CLIENT  
EXEMPT

K&E 0009167

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DEPOSITION  
DE EXHIBIT 20  
Submitted by

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K&E '04

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W.G.K.  
September 7, 1960

Mr. G. J. Geers

L. W. Sprandzel - W.O.K.  
C. H. Stutz - J.P.C.

The following are water level elevations taken in the vicinity of the sanitary landfill. Soundings were taken on August 30, 1960. River elevation at the St. Louis Gage 385.1 ft. a drop or 3.1 ft. from last month.

Well No.	Elevation:	Change from last month
1	374.3	Down 2.7
2	376.0	No reading last month
3	361.6	Down 2.4
4	385.9	Down 1.0
5	370.7	Up 1.7

Ronald W. Kraut

/s

PROTECTED INFORMATION: CONSANTO  
INSURANCE COVERAGE LITIGATION

NON-BAR INSURANCE COMPANY INFORMATION:  
MAY 25, 1962 CERTIFICATE OF INSURANCE  
TO THE STATE OF MISSOURI, THE GOVERNMENT  
PEOPLE AND THE PEOPLE OF MISSOURI

CONFIDENTIAL

KGS 000914b

DEPOSITION  
EXHIBIT

Sprandzel 21  
4-6-93 CRIC

IF THE FILM IMAGE IS LESS CLEAR THAN  
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OF THE ORIGINAL DOCUMENT.

K&E 04

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Monsanto, Illinois  
September 21, 1960

O. J. OOPS

L. W. Sprandel, WGX  
C. H. Stutz, JPP

The following are results of lab analyses of samples taken from the same water wells on August 26, 1960. For comparison, a sample of city water from our plant was also analyzed.

Well No.	1	2	3	4	5	CITY WATER
Phenol (PPM)	5.7	.2	.1	.2	.1	.1
Sulfates (PPM)	32	115	175	295	2	55
Chlorides (PPM)	25	23	23	23	22	25
Extractable Organics (PPM)	21	1	35	24	21	9
Si (PPM)	5.55	8.95	44.3	3.90	7.80	7.45
Dissolved Iron (PPM)	.1	.1	.2	.2	.1	.1
CCD (PPM)	179	259	62	22	25	0

R. W. Kraft

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PROTECTED MATERIAL: MONSANTO  
INSURANCE COMPANY LITIGATION

MONSANTO COMPANY  
MAY 25, 1960 CFS, MONSANTO INSURANCE COMPANY  
TREAT AS PROTECTED MATERIAL  
PRIORITY AND VICTORY ATTORNEY-CLIENT  
PRIVILEGE AND WORK PRODUCT DOCTRINE

KCE 324 0009166

DEPOSITION  
EXHIBIT

Sample 22  
4-615 GAK

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Monsanto, Illinois  
September 28, 1960

Mr. G. J. Geers

L. W. Sprandzel, MOK  
C. H. Stutz, JPA

K&E '04

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The following are water level elevations taken in the vicinity of the sanitary landfill. Soundings were taken on September 27, 1960. River elevation at the St. Louis base 283.6 ft. = rise or 0.5 ft. from last month.

Well No.	Elevation	Change from last Month
1	372.0	Down 2.3
2	373.3	Down 2.7
3	380.0	Down 1.6
4	387.2	Down 1.7
5	366.0	Down 4.7
River Ranney	328.5	No Reading taken
V-2	348.9	No Reading taken
X5-1	339.0	No Reading taken
#21	354.6	No Reading taken

R. W. Kraft

Jae/

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AND/OR ATTORNEY-CLIENT CONFIDENTIALITY  
VERANTO INSURANCE COMPANY OF AMERICA  
W.M. SPRANDEL, ATTORNEY-CLIENT  
RECORDED AND INDEXED IN ATTORNEY-CLIENT DOCUMENT

K&E 0009144

DEPOSITION  
EXHIBIT  
Sprandzel 23  
4-6-93  
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QUALITY OF THE DOCUMENT.

MST 91

Wm. O. Kruegerich Plant  
October 7, 1960

L. W. Strandel  
D. N. Stutz, J.P.Q.

O. J. Sauer's

The following are results or lab analysis of samples taken from the Sanitary Landfill Test Wells on September 27, 1960.

Well No:	1	2	3	4	
pH (ppm)	9.63	9.50	11.35	9.90	8.30
Extractable organics (ppm)	22	4	12	5	8
Chlorides (ppm)	18.3	15.4	16.8	18.5	14.6
Sulfates (ppm)	62	97.4	147	241	21.0
Dissolved iron (ppm)	0.02	.01	.04	.02	.01
Phenol (ppm)	5.1	2.1	1.4	1.6	2.9
COD (ppm)	618	545	589	106	87

Ronald W. Kraft  
Ronald W. Kraft

/per

Ron

This is also recommended that we place the test wells by pumping water into them to see if they will hold water. We have been able to see up to now using a probe to go over the equipment and see if anything has been tampered with.

PROTECTOR SYSTEM INC. "NO FILM"  
PROTECTION CON-TRACT LITIGATION  
INSURANCE

NCO 0948332

DEPOSITION  
EXHIBIT  
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Spurred 74  
4-6-93

CONFIDENTIAL

W. G. Krumrich Plant  
January 20, 1961

L. W. Sprandel-WM  
C. W. Stutz-Org. Engr.  
L. Davis-Org. Engr.

Mr. G. J. Geers

The following are water level elevations taken in the vicinity of the Sanitary Landfill. Soundings were taken on January 5, 1961. River elevation at the St. Louis gage is 378.7, a fall of 4.9 feet from September 27, 1960.

Well No.	Elevation	Change from Sept. 27, 1960
1	367.2	Down 4.8
2	369.2	Down 4.1
3	373.5	Down 6.5
4	385.5	Down 1.7
5	363.5	Down 2.5

R. W. Kraft

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MONSANTO INSURANCE COMPANY OF ST. LOUIS  
MAY 25, 1960 CHARTERED AND LISTED  
TREAT AS PROPRIETARY INFORMATION  
PRIVILEGE AND CONFIDENCE

DEPOSITION  
EXHIBIT

Sprandel 27  
4693 CC/K

K&E 0009143

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K&E 04

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L. M. Sprandler-Wok  
C. W. Stutz-Org. Eng.  
Davis-Org. Eng.

H. C. Kremmling Plant  
January 23, 1961

Mr. O. J. Geers

The following table lists the daily sales of Phenol at the H. C. Kremmling Plant by the following methods:

Batch No.	Phenol Pkgs	18	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	186	188	190	192	194	196	198	200	202	204	206	208	210	212	214	216	218	220	222	224	226	228	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274	276	278	280	282	284	286	288	290	292	294	296	298	300	302	304	306	308	310	312	314	316	318	320	322	324	326	328	330	332	334	336	338	340	342	344	346	348	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644	646	648	650	652	654	656	658	660	662	664	666	668	670	672	674	676	678	680	682	684	686	688	690	692	694	696	698	700	702	704	706	708	710	712	714	716	718	720	722	724	726	728	730	732	734	736	738	740	742	744	746	748	750	752	754	756	758	760	762	764	766	768	770	772	774	776	778	780	782	784	786	788	790	792	794	796	798	800	802	804	806	808	810	812	814	816	818	820	822	824	826	828	830	832	834	836	838	840	842	844	846	848	850	852	854	856	858	860	862	864	866	868	870	872	874	876	878	880	882	884	886	888	890	892	894	896	898	900	902	904	906	908	910	912	914	916	918	920	922	924	926	928	930	932	934	936	938	940	942	944	946	948	950	952	954	956	958	960	962	964	966	968	970	972	974	976	978	980	982	984	986	988	990	992	994	996	998	1000
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In the following two weeks, Phenol was analyzed by the H. C. Kremmling Plant by the following methods:  
1) Amount of phenol present in H.O.C. extracts  
2) Difference in accuracy of analytical methods  
Method to determine where there discrepancy arises.

This discrepancy could have two explanations:

Next month we will check phenol in our plant by the same method to determine which method is more accurate.

R. W. Hart /  
R. W. Hart received material from  
H. C. Kremmling Plant  
January 23, 1961

K&E 04-62

CONFIDENTIAL

EXHIBIT  
DEPOSITION  
Sprandler 28

IF THE FILM IMAGE IS LESS CLEAR THAN  
THIS NOTICE, IT IS DUE TO THE QUALITY  
OF THE ORIGINAL DOCUMENT.

Monsanto, Illinois  
December 9, 1959

Mr. J. P. Buse

L. W. Sprandzel - WQK  
C. W. Stucz - JPA

The following are the results of lab analyses run on samples taken from the sanitary landfill test wells on 11/24/59.  
Well locations are shown on WQK Dwg. No. D-017-410.

Well No.	1	2	2	4	5
Odor	None	None	None	None	None
pH	8.5	9.4	11.0	9.7	8.0
Chlorides (ppm)	23.5	26.1	17.0	15.6	16.3
Sulfates (ppm)	53	114	163	481	60
Dissolve Iron (ppm)	0.6	0.5	0.4	0.5	0.8
Extractable Organics (ppm)	65	32	26	19	24
Phenol (ppm)	1.8	1			

Chuck Deubner:

/rs

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CONFIDENTIAL

K&E 0007050

K00447

DEPOSITION  
EXHIBIT

Spandzel 46  
4-6-93

IF THE FILM IMAGE IS LESS CLEAR THAN  
THIS NOTICE.. IT IS DUE TO THE QUALITY  
OF THE ORIGINAL DOCUMENT.

R. A. White

Montealto, Illinois  
December 9, 1959

Mr. L. H. Sprandel

The following are the elevations of the top flanges of the Sanitary Landfill Test Wells.

Elevations are based on mean sea level. Well locations are shown on WGS Dwg. No. D-017-Q10.

K&E '04

1 734

K00A27

KCE 0007030

ACADEMIC  
CLUSTERING

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Chuck DeGroat

Well #1	-	411.00
Well #2	-	408.77
Well #3	-	410.74
Well #4	-	422.58
Well #5	-	422.96

DEPOSITION  
EXHIBIT

S. Standard  
4-6.93 C&K